

THIS "BIG DADDY" OF ALL NATIONAL SAFETY COUNCIL awards for exceptional safety records is this Award of Honor plaque received by the Y-12 Plant recently. The plaque cites the record-breaking Y-12 Plant accident-free period of 10,307,137 hours of plant operations without a lost-time accident.



THE Y-12 PLANT WAS HIGHLY HONORED FEBRUARY 20 with presentation of three coveted awards in recognition of the record-breaking accident-free period of 10,307,137 hours of plant operations without a disabling injury from December 11, 1959, through October 16, 1960. From left are T. E. Lane, Union Carbide Nuclear Company Superintendent of Industrial Relations, who with Clark E. Center, second from left, is holding the National Safety Council Award of Honor. Then comes John P. Murray, Y-12 Plant Superintendent, with the Union Carbide Corporation bronze plaque citing the plant's 26th UCC Safety period of more than 1,500,000 hours of operations without a disabling injury. At right is S. R. Sapirie, Atomic Energy Commission Manager of Oak Ridge Operations, with the AEC Award of Honor.

Three Coveted Awards Received By Y-12 Plant For Safety Marks

National Safety Council, Atomic Energy Commission, Union Carbide Pay Tribute

A triple-barrelled tribute was paid to the record-breaking Y-12 Plant's long period of 10,307,137 hours of plant operations without a disabling injury over a span of 311 days at a luncheon meeting on Monday, February 20, in the Y-12 Cafeteria. Appropriate awards recognizing the accomplishment were presented the Y-12 Plant from the National Safety Council, the Atomic Energy Commission and Union Carbide Corporation.

Two Honor Awards Presented

The Safety Council and the Atomic Energy Commission presented their coveted Awards of Honor to the Y-12 Plant, honoring the plant for the exceptionally fine safety record. Union Carbide bestowed its 25th Safety Service Bar to attach to the plaque presented the Y-12 Plant back in 1949 when the plant completed its first UCC Safety Period of more than 1,500,000 hours of operations without a lost time accident. This plaque and bars are on display in the Y-12 Dispensary.

Clark E. Center, vice president of Union Carbide Nuclear Company, presented the UCC Safety Service bar to Y-12. The National

Safety Council Award of Honor was presented by T. E. Lane, UCNC General Superintendent of Industrial Relations. The AEC Award of Honor came from S. R. Sapirie, Manager of the AEC Oak Ridge Operations.

Murray Accepts Awards

George W. Flack, Y-12 Superintendent of Industrial Relations, was master of ceremonies at the luncheon. Y-12 Plant Superintendent John P. Murray accepted the awards.

Superintendent Flack pointed out that since Carbide took over Y-12 Plant operations in 1947 that the 26 UCC Safety Periods recorded in the plant included eight of over 1,500,000 hours of accident-free plant operations, 11 of from 2,000,000 to 3,000,000 hours, five of from 3,000,000 to 5,000,000 hours and one each of more than 5,000,000 and 10,000,000 hours.

The first UCC Safety Period was established in 1949 when 2,850,000 hours of accident-free operations was recorded. That brought the original plaque to the Y-12 Plant with one of the bronze "service bars" being added for each successive UCC Safety Period.

Many Honors Conferred

The AEC has given 10 awards

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It's 'Good Bye John, Hi Bob' As Y-12 Plant Administration Changes First Time In Years

John P. Murray Succeeded By Robert G. Jordan; Former Has Served Longest As Superintendent

With a minimum of fanfare the first change in administration of the Y-12 Plant in several years, will officially take place today, Wednesday, March 1. After seven years and three months as Y-12 Plant Superintendent, John P. Murray relinquishes the reins of management in Y-12 to Robert G. Jordan, who has held a similar position at the Carbide Paducah, Ky. Plant. By a quirk of coincidence, a similar switch of positions took place between the same two men as Jordan stepped up to fill Murray's shoes at Paducah, when the latter was transferred to the Y-12 Plant to become superintendent on January 1, 1954.

Becomes Production Manager

Superintendent Murray will not be lost to Y-12 entirely. Effective today he becomes Manager of Production for Union Carbide Nuclear Company atomic energy plants at both Oak Ridge and Paducah. He is succeeding Logan B. Emlet, as Manager of Production, the latter being transferred to the New York offices of Union Carbide Corporation as a vice president.

The new Y-12 Plant Superintendent has been becoming acquainted with the duties of his new post for the past two or three weeks and also has been visiting individual Y-12ers throughout the plant. A personable and quiet-spoken man, he has created an ex-

tremely favorable impression on all who have met him.

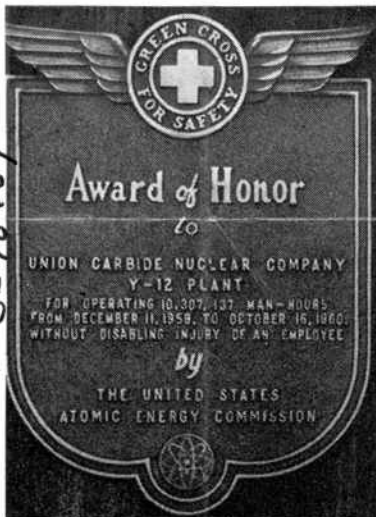
Jordan Employed In 1943

Superintendent Jordan has been with Union Carbide since December, 1943. After working at Columbia University on gaseous diffusion methods research he was assigned to the Oak Ridge Gaseous Diffusion Plant in September, 1944.

In Oak Ridge he worked in the Operations Division in various supervisory positions until March, 1947. At that time he was named head of the Process Engineering Department, which he was instrumental in establishing.

The departing Y-12 Plant Superintendent

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THE ATOMIC ENERGY COMMISSION Award of Honor that was presented to the Y-12 Plant February 20 by S. R. Sapirie, Manager, Oak Ridge Operations of the AEC.



THIS IS THE BRONZE BAR from Union Carbide Corporation in recognition of the Y-12 Plant's record-breaking period of accident-free days.

IRS MAN TURNS AUTHOR

An Internal Revenue Service agent is writing a book entitled "How We Made \$1,800,000 off the Fellow Who Wrote a Book About Making \$2,000,000 in the Stock Market."



THE Y-12 PLANT HAS A NEW ADMINISTRATION. At left is Bob Jordan, new Y-12 Plant Superintendent, left, entering the office of Johnny Murray, who has held the post for seven years and whom Jordan succeeded. "Here's how we do things here," Johnny tells Bob in the center picture. At right it is, "So long John, Hi Bob and good luck."



SAFETY SCOREBOARD

The Y-12 Plant Has Operated
**Nine Days Or
199,000 Man-Hours**
(Unofficial Estimate)
Without A Disabling Injury

Through February 26

Phone 7755

For Daily Report
On Accident-Free Hours

The Bulletin

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Jo Ann Perry

Y-12er's Daughter Wins Citizenship Award At Norris

The "Good Citizenship" award, given by the Daughters of the American Revolution, has been presented at Norris to the daughter of a Y-12er. Jo Ann Perry is the recipient of this honor and is the daughter of Mrs. Anna Perry, Laboratory Operations Department in Y-12.

The 17-year-old senior has been a member of the Beta Club for the past three years, as well as the National Honor Society. She is editor of the Norris school paper this year, "The Spillway," and is secretary-treasurer of the senior class. She also is a member of the Spanish Club and the Pep Club at Norris High. Her school annual listed her this year as the "most likely to succeed" and she was voted "most dependable student of the year" in her junior year in school.

Jo Ann has made application to attend Tennessee Polytechnic Institute, Cookeville, where she plans to major in either home economics or journalism. She now lives with her parents in Norris. Her proud father is Joe Perry, Purchasing, in Charlotte Hall.

'The Pickwick Papers' To Be Shown Sunday Night

"The Pickwick Papers," a British film, will be presented at the Robertsville Junior High School auditorium next Sunday, March 5. Showings will be at 7 p.m. and 9 p.m. under auspices of the Oak Ridge Branch of the American Association of Women's Foreign Film Series.

From the novel by Charles Dickens, Producers Noel Langley and George Minter have adapted this jovial classic in entertaining style to bring to life some of the most delightful and humorous characters in fiction. Some of the finest British performers are cast in "The Pickwick Papers."

TAX CLERKS BAFFLED

Clerks in a regional office of the Internal Revenue Service were taken aback by a blank tax return, accompanied by a note that said, "You were notified several times that I have been dead for four years. Please send no more of these blanks."



Y-12'S ENGINEERING DIVISION TURNED OUT in full force for the Valentine Dance held Saturday, February 11, at the Oak Ridge Country Club. At right, Frank Broome, Engineering Physics Development, demonstrates some fancy steps to Jean Merwin, a guest at the dance. In the center picture, attentive eyes are on the dance floor as the guests "take a break." From left are Mrs. W. E. Heckert, Mrs. R. A. William-

son, George A. Strasser, Assistant Y-12 Plant Superintendent; William E. Heckert, Superintendent of the Engineering Division, Mrs. Strasser, and guests Kathryn and Ron Gray. More dancers are seen at right as Jean Barnes, Engineering Division, is given a whirl around the floor by guest Howard Malone. Dave Blessing, Research Services, and his orchestra provided music for the dance.



Merry Mehitabelle, the Strictly Corn Colyum's feline mascot, seems to be being wooed by those two traditional beasts associated with the month of March—the lion and the lamb. However, Mehitabelle—not at all to be confused with that black wampus cat of the Norris community—seems to be ignoring her company. P'raps she is—the wise kitty—just waiting to see which moves in first. Legend has it that if March comes in like a lion it goes out like a lamb—but if most Y-12ers had their way, a bounty would have been paid for permanent termination of the lion prior to today.

Oh well, having survived G. Washington's birthday—and other hectic events last week, the Colyum Conductor now will take up the chit and chat about Y-12ers, starting out with notes about a real birthday party in the Special Projects Department in—

TECHNICAL

Folks in Special Projects apparently have more fun than people. Dig this report of a birthday party (it shouldn't have happened to a dawg) pitched recently for Dick Cawood, of the SPs, as related by Reporter Jeri Kobisk. Says Jeri:

"The knife slowly descended, penetrated the frosting, and — came to a screeching halt! A gently sawing motion brought no results, nor did a more violent attack of force and motion. 'Must have hit a toothpick,' muttered the rather frustrated and red-faced Dick Cawood. Carefully moving his point of onslaught over one-half inch, he tried to cut the cake again — with the same results. Comments from the sidelines implying that his 24 years had made him weak with old age did little to relieve Dickiebird's embarrassment. Thoroughly bewildered but valiantly attempting not to embarrass the cakemaker, Margaret Williams, Dick brightly announced, 'I think it would be better to slice it from the middle.' He thereupon plunged the knife point at the bull's eye. The knife responded with a sour musical note and bent in half. Before the now-unrepressed snickers hit the air, a small, wee voice gasped out that something seemed to be wrong with the cake.

"There was nothing wrong with the (apparently marble) cake. It was just that it was the usual baker's cardboard replica decorated with scads of creamy frosting and doodads — temporarily substituted for Dick's real, honest-to-goodness four-tiered layer

cake, complete with all the candles, a birthday remembrance from fellow workers that the recipient long will remember."

INDUSTRIAL RELATIONS

Miseries — coming and going — monopolize the report from the Boys in Blue and Gray of the Fire and Guard Department, moans Reporter Liz Campbell. . . So the department sends get well wishes to Guards G. S. Pollitt and S. H. Kesterson in Oak Ridge Hospital. . . Likewise to Lieut. Ray Perkins, up at Wartburg. . . Guard Walter Queener is welcomed back after his melee with the miseries.

A Cafeteria courier confides that the group is sending its rapid recovery wishes to Frances Brock, ill at home in Knoxville. . . Also to K. D. Patterson, who entered a Morristown, Tenn., hospital late last week for surgery.

ENGINEERING

Mechanical Engineering last week welcomed Co-opper Mark Kellerman back—he's from the University of Tennessee. . . Tommy Swindell's group welcomed a pair of newcomers recently, C. C. "Pete" Priest and R. P. Rose.

SHIFT SUPERINTENDENTS AND UTILITIES

Dave Harrigan, of the PSS Office, was suffering from the miseries at home last week and get well wishes were rushed his way.

A double birthday celebration was staged February 24 by E. B. Cox, Utilities, and his daughter, Ivadeane, who was born on the same day but not the same year. They had two birthday cakes with



A GALA VALENTINE PARTY WAS ENJOYED BY BLDG. 9706-1A Y-12ers, which includes the SS Control Department, Tabulation Services and Quality Control, Saturday night, February 11, at the Holiday Inn, Oak Ridge. Various games were played after dinner, and dancing ensued after the games. In the top picture is the committee organizing the affair. They are, from left, John Lay, Jane Brown, Charley Gillihan, Sue Tate, George Bailey, Pat Reavis and Elizabeth Johnson. In the lower picture part of the dinner activities are shown. Everyone present reported a fine time.

roast turkey and all the trimmings on the occasion. . . C. E. Welch visited kin folks in New Tazewell over the past week end. . . E. R. Bailey has his daughter home from Germany and also is nursing a sick wife, to whom rapid recovery wishes are extended.

MECHANICAL OPERATIONS

The General Machine Shop is extended condolences to two Shoppers who lost beloved relatives recently. . . J. W. Cantrell's brother, Preston, died February 22 in McMinnville. . . L. M. Vinson's mother succumbed in Nashville February 21. . . Odell Loyd, a transfer from Z Area, was welcomed last week. . . F. D. West is vacationing at home in Oak Ridge. . . R. H. Bradshaw is receiving his get well wishes at Oak Ridge Hospital. . . John Gordon is convalescing at home in Oak Ridge Hospital following surgery at Johns Hopkins Hospital.

MAINTENANCE

Process Maintenance welcomes R. J. West back after more than a year of illness. . . The fish stories have begun to arrive (and

the Colyum's reporter, Desma Blair, says she saw the evidence). J. S. Orr came in with a bass weighing more than six pounds recently and maybe his good luck was because he took his wife along on the finny foray. He modestly says that if her line hadn't broken, she would have landed a bigger fish. . . Get well wishes are sent out to P. Palfrey, G. D. Garrett and L. A. Turpin, mending after leg surgery in Oak Ridge Hospital. . . Also to the wife of J. M. McMichael—he took a week's vacation to baby sit while she is recuperating from an illness. . . Condolences are extended to K. F. Martin, whose mother-in-law died last week. . . Frank Zupan has a new baby at his house—more details later. That old jalopy of Hayes Hunter finally gave up the ghost—so he purchased a valiant new replacement.

All good things must come to a close sometimes — so GOOD NIGHT.

There is just as much authority in the family today as there ever was—only now the children exercise it.



CARBIDE FRIENDS OF LOGAN B. EMLET—and there are many—pitched a farewell party for him Tuesday night, February 21. He is going to the New York office of Union Carbide Corporation as a vice president, effective March 1. Recognizing the adverse weather that recently has swept over the Big City, he was presented with wearing apparel suitable to the climate. At left he has donned ear muffs and is trying on galoshes with a somewhat skeptical grin. At right—everything is okay and he is holding another gift in his right hand. The honoree is a former Y-12 Plant Superintendent, succeeded by John P. Murray, who in turn is succeeding Emler as Production Manager for Union Carbide Nuclear Company plants in Oak Ridge and Paducah.



QUITE A NUMBER OF Y-12ERS ATTENDED THE FAREWELL PARTY FOR LOGAN B. EMLET, a former Y-12 Plant Superintendent who is going to the New York office of Union Carbide Corporation. From left are Finis Patton, W. C. Kuykendall, Robert G. Jordan, who becomes Y-12 Plant Superintendent today; John P. Murray, his predecessor; Steve Porter, Spears Valalides, D. P. Anderson, H. N. Benninghoff, R. W. Brothers, Ken Bernander, Joe Riordan and James Mackle.



ALL SET FOR A BIG NIGHT is Y-12's own Johnny Googin at the Logan Emler farewell party February 21. Googin, of the Development Division, is armed with camera, flash attachment—and a popular beverage of the night.



PROMINENT AT THE FAREWELL PARTY FOR LOGAN B. EMLET, center, were John P. Murray, left, Y-12 Superintendent for the past seven years who will succeed Emler as UCNC Production Manager; and Robert G. Jordan, new Y-12 Plant Superintendent.

Linde Plans Second Plant To Produce Liquid Hydrogen

Plans for a second liquid hydrogen plant to be built at Fontana, Cal., have been announced by the Linde Company, division of Union Carbide Corporation. Linde already has such a plant at Torrance, Cal.

The proposed 26-ton daily capacity plant is designed to produce 21 tons daily of liquid hydrogen to the National Aeronautics and Space Administration under a \$31,000,000 contract recently awarded Linde by the NASA. Construction of the new

plant is expected to start in mid-1961 and completion is seen by June 1, 1962. It will be built on a 30-acre site adjacent to Kaiser Steel's Fontana plant. The source of hydrogen will be coke oven gas.

SPRING IS JUST AROUND THE CORNER



Three Coveted Safety Awards Are Received By Y-12 Plant For Excellent Records

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to the Y-12 Plant. Of these five have been Awards of Honor for the plant working more than 3,000,000 accident-free hours, four were Awards of Merit for from 1,500,000 to 3,000,000 man-hours of work with no lost time accidents and one was a Safety Trophy for reducing injuries in one year from those of the previous year. The Safety Council has honored the Y-12 Plant on nine occasions. Five of these awards have been the Award of Honor, presented on the same basis as the AEC award of the same name. Four Awards of Merit also have been received for reduction of the accident frequency rate in the plant.

It was pointed out at the luncheon meeting that Y-12 was being highly honored with presentation of the three awards—but that the accident-prevention program of the Y-12 Plant operates on the premise that accident-free periods established by Union Carbide Nuclear Company employees in the plant were rewards of their own in freedom from pain, freedom from worry and continued good health—with the plaques being reminders of the success of the program. Freedom from disabling injuries on the part of employees means increased efficiency in plant operations as well as the continued good health.

Other Long Periods Cited

That extended period of 10,307,137 hours of plant operations without a disabling accident started on December 11, 1959. It continued through October 16, 1960. It was the 26th Union Carbide Safety Period established in the Y-12 Plant since Carbide took over operations on May 4, 1947.

Of this number one other, No. 22, covered a span of 5,394,077 hours from December 17, 1957 through June 3, 1958. The third longest UCC Safety Period was No. 24, when 4,639,217 man-hours were worked without a disabling injury.

The record-breaking 26th UCC Safety Period was responsible for the fine overall 1960 Y-12 Plant safety record. During that year only five disabling injuries were reported to bring an accident frequency (number of disabling injuries for each 1,000,000 man-hours worked) rate of 0.41, the best in the plant's history. UCC Safety Period No. 26 also set an all-time record for all Union Carbide Corporation divisions for the year and also aided the Oak Ridge Operations of the AEC to substantially improve its own safety record for 1960 over the previous year.

Cannot Rest On Laurels

Certainly Y-12ers can well be proud of the most recent honors bestowed for their safety performance—but it is not safe business to rest on one's laurels. With the diverse and changing operations performed in the Y-12 Plant, there are numerous hazards to overcome. They can be overcome by continuous attention to safety procedures, wearing of safety clothing and equipment as prescribed and use of common sense in addition to the safety and technical training given by Supervision.

There have been four disabling injuries so far in 1961—let's halt the string right now and proceed throughout the rest of the year with no lost time accidents.

In other words — "Keep those green lights of safety burning at every portal every day."

It's 'Good Bye John, Hi Bob' As Y-12 Plant Administration Changes First Time In Years

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Superintendent was employed by Carbide and Carbon Chemicals Company on August 1, 1931. He will complete 30 years of Company Service this year.

John Murray's first job with Carbide at South Charleston was in research. He put in about three years on this assignment before starting another three years in development. For the remainder of his 14 years at South Charleston he was in production work and rose to the post of major area supervisor.

Came To Ridge In 1944

Then came the entry of Carbide into the atomic energy field and John Murray's transfer to the ORGDP Plant (then known as K-25) in Oak Ridge in 1944. He rose steadily from one job to another before his appointment as Paducah Plant Superintendent. In that assignment he watched that project progress from the beginning until it went into production.

On June 1, 1935, he was married to the former Miss Lucille Kirtley—and they observed their 21st wedding anniversary at a Y-12 June dance in 1956. The Murrys have three children, John Patrick, Jr., Ann Marshall and Melissa Lou.

Interested In Activities

During his more than seven years as Y-12 leader, the longest anyone has served in the office, John Murray has not confined his interests to the mechanics of plant operations. He has always taken great interest in employees' activities and departmental functions. For instance, when a new Fire Department emergency truck was placed into service, he donned a fireman's hat and boots to inspect the vehicle. When the Y-12 Cafeteria was remodeled in

1955, he obligingly put on a chef's hat to stir a tureen of soup when it was reopened for the benefit of a photographer from The Bulletin to mark the occasion.

He readily took part in opening of softball seasons, hurling the first ball in the opening game and then taking his place in the batter's box to "take his licks." He has attended many Y-12 dances and other social functions such as retirement parties to bestow presents and awards.

Brought Respect, Friendship

All of this has brought him the respect and friendship from all Y-12ers with whom he has come in contact—resulting in a cemented loyalty and increased morale throughout the Y-12 Plant.

As previously mentioned, John Murray is not lost to Y-12 entirely. As he declared at a recent farewell party for him by Y-12 friends, he points out:

"After all, I'm just going down the road a piece."

So, with the changing of the guard, from the bottom of the hearts of all Y-12ers comes this sentiment:

"So long, Johnny and Hi Bob."

Know your security rules.

The Old Turner



"It used to be that a fool and his money were soon parted, but now it happens to everyone."



FOR THAT SPARE TIME AHEAD Clarence J. Maddux is given an electric skill saw by his fellow employees in Area Five Maintenance. Maddux's retirement date officially begins today, March 1.

March Safety Poster Contest Underway; 'Off-Job Accidents' Is Subject For June

March 31 Is Deadline For New Competition; Vertically Drawn Sketches Are Preferred

Entries now are being received in the Y-12 Safety Department for the March safety poster contest. The posters to be judged in this month's contest will be used in the June safety campaign. The

Kinsey Is Elected UCC Vice President

Former Ridger To Work On Technical Programs

H. D. Kinsey has been elected a vice-president of Union Carbide Corporation and Paul L. Alspaugh appointed president of Union Carbide Olefins Company, division of the Corporation, it has been announced by Morse G. Dial, chairman of the board and chief executive officer of Union Carbide.

Joined UCC In 1924

Mr. Kinsey, who will be concerned primarily with the planning, organization and evaluation of the various technical programs of the Corporation, joined Union Carbide in 1924 at the Clendenin, W. Va., plant of Union Carbide Chemicals Company. During 1925-46, he held managerial positions at plants of the Chemicals Company in South Charleston, W. Va., Whiting, Ind., and Oak Ridge, Tenn.

In Oak Ridge he was general superintendent of Union Carbide Corporation atomic energy activities at the K-25 Plant, now the Oak Ridge Gaseous Diffusion Plant.

To New York In 1946

He moved to New York in 1946 as works manager for the company and was made a vice-president in 1954. In 1957 he was appointed president of Union Carbide Olefins Company. Mr. Kinsey is a graduate of Roanoke College, where he received the degrees of B.A. in 1921 and M.A. in 1922. He also received the degree of M.S. (chemical engineering) from Massachusetts Institute of Technology in 1924.

Mr. Alspaugh became associated with Union Carbide in 1928 at the plant of Union Carbide Chemicals Company in South Charleston, W. Va. Before his present appointment, he was a

Safety Department announced that "Off-the-Job Accidents" is the theme for the slogan-poster competition.

The first prize for the best sketch or idea will be a food slicer and the second prize will be a gasoline can. Entries must be in the hands of the Y-12 Safety Department by 8 a.m. Friday, March 31.

All Carbide employees in the Y-12 area and members of their families are eligible to enter. Only previous winners and members of the Safety Department are ineligible. Ideas should be submitted on eight and one-half by 11-inch paper, and should show employee's name, address and badge number. If the entry is submitted by a member of the employee's family, the relationship of the contestant plus the above information should also be given.

Vertical Sketches Preferred

Y-12ers need not be accomplished artists to enter. A rough sketch or a written description of the idea is acceptable. Although not specified in the rules, the Safety Department has voiced the opinion that vertical sketches are preferred rather than those on a horizontal plane.

Wording on the suggested poster should not exceed 10 words. Judging is done by the Safety Department, and all entries become the property of that group. Only entries pertaining to the subject for the contest month will be considered. That is, only posters on "Off-the-Job Accidents" will be considered in the March competition.

Many fine entries have been received in the February contest, which had the theme of "Positive Action—Prevention of Accidents." Judging had not been completed at press time, but the winners will be reported in next week's Bulletin.

vice-president of the Olefins Company, and previous to that was manager—planning for Union Carbide Metals Company, another division of the Corporation. He is an alumnus of Ohio State University with the degree of B.S. in mechanical engineering, which he received in 1928.

He also was connected with the ORGDP Plant several years ago.



C. J. MADDUX GIVES a demonstration of his new skill saw to E. "Shady" Payne, left, and Sam G. Bishop, right. Maddux promises to keep the saw busy in his workshop at home in Oak Ridge.

ACS To Hear Talk By Dr. H. G. Fletcher

East Tennessee Section To Meet Tuesday Night

The East Tennessee Section of the American Chemical Society will meet next Tuesday night, March 7, at Dabney Hall, on the University of Tennessee campus in Knoxville. The meeting will be at 8 o'clock and will be preceded by a dinner at 6:30 o'clock at the University Faculty Club. Reservations may be made by communicating with Mrs. Troglan, Knoxville telephone 524-2981, Extension 308.

Speaker at the meeting will be Dr. H. G. Fletcher. He is Chief of Section on Carbohydrates at the Chemical Laboratory of the National Institute of Arthritis and Muscular Diseases, Bethesda, Md. His subject will be "Some Recent Developments in Organic Chemistry of the Carbohydrates."

Fourth Disabling Injury Recorded February 17

The fourth disabling injury of the year incurred by a Y-12er occurred about 2 o'clock Friday afternoon, February 17. An outside machinist in the Process Maintenance Department received a severe bruise when a wrench he was using to remove a manhole cover slipped and hit him. He was referred to the Oak Ridge Hospital on February 19, where he was treated and sent home for a few days. The mishap ended an accident-free period in the Y-12 Plant at 28 days with approximately 937,000 man-hours worked.

"Shoot the works" for security.

Y-12 Carpenter Clarence J. Maddux Retires After Almost 10 Years Of Service To Plant

Veteran Presented With Electric Saw As Gift; Two Sons Presently Employed After War Service

Today, March 1, marks the retirement date for Clarence J. Maddux, a carpenter in the Area Five Maintenance Department in Y-12. Maddux becomes the third retiree of the year and the 77th employee to retire since Union Carbide began operations in Y-12 in 1947.

Born in Buffalo Valley, in Putnam County, Tenn., February 8, 1896, Maddux attended school there, and then high school in Cookeville. He attended the Dixie College in Cookeville for two years where he studied agriculture. Dixie College is now known as Tennessee Polytechnic Institute.

Years In Carpentry Field

The colorful carpenter came to Y-12 April 19, 1951, after many years experience in the carpentry field. He worked with Foster and Creighton, Nashville, during 1937 through 1939. In 1939 he went with E. I. du Pont de Nemours in Charleston, Ind., and transferred with that firm to Childersburg, Ala., in 1941. When du Pont began operating X-10, now Oak Ridge National Laboratory, in 1944, Maddux came with them to Oak Ridge, and worked there until coming to Y-12 in 1951. Prior to 1937, he was self-employed in the trucking business.

Maddux married the former Miss Mollie Smith from his native Putnam County in 1918. They live at 602 Pennsylvania Ave., Oak Ridge, and have three sons: Jim, of Detroit; Clarence, Jr., and William A. of Oak Ridge. They also have seven grandchildren.

Two Sons In Plant

The two Oak Ridge sons are both Y-12ers, Clarence, Jr., being in Process Maintenance and Bill in Production Inspection. In a 10-year-old edition of The Bulletin the two Maddux sons made news by volunteering for the United States Air Force, together, with three other Y-12 youths.

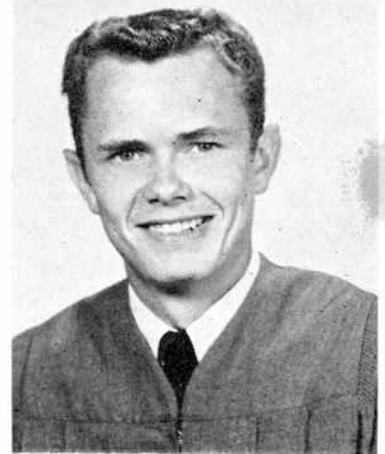
On Friday, February 17, the Area Five Maintenance group gathered to honor Maddux on his retirement. They presented him with an electric skill saw, which should go hand in hand with the retiree's hobby of handicraft work. The shop in his home boasts many fine articles of work. This hobby will occupy much of Maddux's spare time, he says, with the other part being filled in with taking it easy and relaxing.

With no particular plans other than that Maddux expressed his liking for Y-12 and the folks with whom he worked. The amiable carpenter takes with him all the best wishes of his co-workers. His friendliness and good cheer will be missed around the grounds.

Torrance, Cal., Linde Plant Toured By NASA Group

The first public tour of its recently completed liquid hydrogen plant at Torrance, Cal., was held recently by the Linde Company, division of Union Carbide Corporation. The tour was for representatives of the National Aeronautics and Space Administration and local newspapermen.

William B. Nicholson, president of Linde, pointed out that the successful operation of the Torrance plant "establishes the feasibility of producing liquid hydrogen on a privately financed, commercial basis." Capacity of the new plant is 13,000 pounds per day of liquid hydrogen, which exceeds NASA's estimated requirement of five tons daily. Regularly scheduled shipments are delivered to NASA projects on the West Coast via especially designed 7,800-gallon trailer trucks. Liquid hydrogen also is being supplied to other government and industrial users.



James S. Arrington, Jr.

Son Of Y-12er Is Appointed To Annapolis

Another Y-12 home was brightened by good news a few days ago when Tennessee Sen. Estes Kefauver published his list of appointments to the United States service academies at West Point, Annapolis, and Colorado Springs. J. S. Arrington, of the Y-12 Chemical Department, and Mrs. Arrington received word that their son, James S., Jr., had received an appointment to the United States Naval Academy at Annapolis, Md.

Young Arrington will take mental and physical examinations in Memphis, March 21. He is a graduate of Oak Ridge High School and is currently a freshman at the University of Tennessee.

While in high school Arrington was a member of the track team. During summers he was active with the Civil Air Patrol, having gone on several summer encampments. He is a staff sergeant with the Reserve Officers Training Corps at U-T.

The Arringtons live at 101 East Dalton Road, Oak Ridge.

First Liquid Hydrogen Shipment Made By Linde

The first shipment of liquid neon, intended for missile application, has been made by the Linde Company, division of Union Carbide Corporation. The shipment was made from Tona-wanda, N.Y., and sent to the Radio Corporation of America in Lancaster, Pa. The liquid neon will be used in airborne radiometers—infrared detector devices requiring sub-cooling for maximum effectiveness. Liquid neon was chosen because it meets the exacting requirements for a refrigerant in the radiometers.

The shipment, valued at \$2,500, was made in a special container weighing 96 pounds. It was designed and built by Linde. Plans now are underway to provide commercial quantities of liquid neon at other locations across the country to make it available for other electronic and research applications.

PAKISTAN GROWING

The latest population estimate of Pakistan is reported to be 88,900,000. The last census in 1951 showed 75,840,000.

All security irregularities should be reported.



THESE THREE Y-12 TEAMS IN THE CARBIDE BASKETBALL LEAGUE gave good account of themselves in all contests during the recently ended season. At left are the Players. In front, from left, are Jim Ratliff, Capt. Jim Price and Alternate Capt. Jim Batch. Standing are



Doug Klima, Ron Stevens, Charles Pardue, Dick Green and Charles Knight. The center picture is of the Hoopniks. From left are E. E. Breazeale, C. A. Peters, Capt. Hugh Caudill, Jim Disney and C. C. Dinkins. Several members of the squad were absent when picture was



made. The Hawks are at right. In front, from left, are Peter Rekmeyer, John Pridgeon, Jack Yaggi and Bill Boucher. Standing are Mac Wright, Charles Montgomery, Bill Harney, Jim Richards and John Lewis. Capt. Bill Hulsey was absent when picture was made.

Fishing Rodeo Set To Open March 11

Event Will Continue Until Midnight June 12

The first of two Y-12 Fishing Rodeos for 1961 will open at 12:01 a.m. on Saturday, March 11, and continue until midnight on Monday, June 12, it has been announced by the Y-12 Recreation Department. All entries must be in the hands of the Recreation Office, Room 149, Bldg. 9704-2, by noon, Wednesday, June 14, for consideration by the judges.

Entry blanks now may be obtained at the Recreation Office.

Prizes of sports equipment will be awarded first and second place winners in each classification. No contestant will be eligible for more than one prize in the rodeo. However, any contestant may enter fish of as many of the eligible species as he desires. Weight shall determine winners. In case of ties in weight of entries, length and girth, in that order, will be used in determining winners. Fish must be caught in Tennessee waters on rod or cane pole and line.

Eligible species of fish for the rodeo are largemouth, smallmouth and striped bass, walleye and sauger pike, crappie, trout, bream and bluegill.

Lucky Five Blanks Pin Busters, Take Bush League Lead

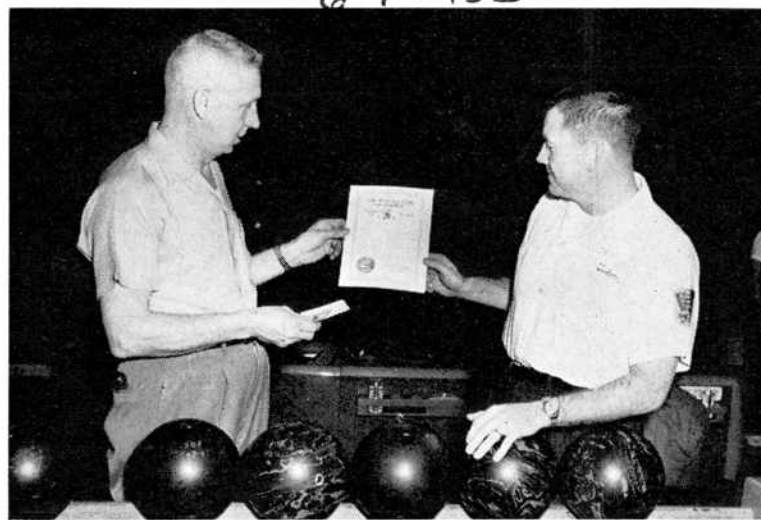
In a head-on clash to determine the occupancy of first place in the Bush League of Y-12 maple maulers, the Lucky Five larruped the Pin Busters for a four-point whitewash win in alley activities of February 20. At the same time the Rollniks and Rodders beat the Beavers and Rollmasters by four and three points, respectively, to create a triple tie for second place in the loop. The Hi Balls slipped a four-point whitewash defeat on the Alley Gators and the Nine Pins blasted the Balls O' Fire for three in other matches.

Bob Williamson's good scoring helped the Lucky Five in that team's triumph. He had a 216 scratch game, boosted to 247 with handicap; a 536 scratch and 629 handicap series. In team scoring the Rodders swept all honors with marks of 852, 1032, 2278 and 2835 across the board.

League standing follows:

Team	W	L
Lucky Five	15	1
Pin Busters	11	5
Rodders	11	5
Rollniks	11	5
Beavers	9	7
Nine Pins	7	9
Rollmasters	5	11
Balls O' Fire	5	11
Hi Balls	5	11
Alley Gators	1	15

Loyalty to country must be judged by the standard of obedience to security regulations.



HIS CERTIFICATE OF MEMBERSHIP in the "700" Bowling Club of America is being presented John "Tudor" Boyd, right, of the Markers team in the Classic League of Y-12 keggers. The presentation is being made by Roy Roberts, league secretary. Boyd qualified for club membership with his blazing 737 scratch series on October 20, the score still standing as an Oak Ridge all-time high. He put together games of 287, 215 and 237 for the record—and in the 287 game he was just two strikes away from that goal of all bowlers, a perfect 300 game. On his left sleeve is an American Bowling Congress patch certifying his accomplishment.

Atoms Tip Reactors, Hawks In Basketball Tournament

Manager D. W. Daws' Atoms quintet, a Y-12 representative in the Carbide Basketball League, fissioned all over the place last week in the loop tournament. When the fallout from their blasts had ceased, the Atoms had marked up a pair of close and well-earned wins and had a running start in the winning bracket of the double elimination event.

Victims of the Atoms spirited play were the champions of the loop's regular season play, the Reactors of Y-12 by 55 to 50; and another Y-12 quintet, the Hawks by 57-51. Both of the losers still have a chance in the tournament, but one more loss will put them out of the running entirely.

Reactors Lose In Overtime

The Atoms' victory over the Reactors was gained in an overtime period. The shindig was a slam-bang affair from start to finish with a total of 50 personal and three technical fouls. The Atoms offended 29 times and the Reactors 21. The decision went to the Atoms in the overtime session when Jim George scored four free throws to contribute to the seven points scored by the winners to only two for the losers.

The Reactors got away to a 12-4 lead at the first rest stop, but the Atoms retaliated in the second chapter for a 20-9 margin for a 24-21 halftime edge. The close battle continued in the third stanza with a Reactors gaining a 13-10 edge to tie it up at 34-all. Both teams scored 14 points in the fourth for a 48-all tie at the end of the regular game.

Atoms Win Another Squeaker

The Atoms had another squeaker against the Hawks, the tilt being 42-41. Atoms, at the end of three. A 15-10 final period edge by the Atoms iced the af-

fair. The lead changed hands several times in the hectic third period in which the winners had a 13-10 shade.

In the Atoms-Reactors clash Jim George and Lew Fitzgerald tied for high point honors with 17 each. Edd Cothran had 13 for the Atoms and Spud Chandler the same amount for the Reactors. George had 31 to lead the win for the Atoms over the Hawks, whose John Pridgeon tallied 20. Pugh had 17 for the Hawks and Cothran 16 for the Atoms.

In another all-Y-12 game, the Players trimmed the Hoopniks by 43 to 29 as Rod Murtaugh slashed the hoops for 23 points. The Players got away to a 15-3 first period lead and held on for the win. Bartley was high man for the losers with nine while Frost and Brazeale tied with six each. The Y-12 Rebels gained a forfeit victory over the Y-12 Buzzards in the other game scheduled for the week.

Skeet League Led By Welfare-Bailey

With three more rounds of firing in the second half of the season, the Welfare-Bailey team held a slim lead over McNabb-Montgomery in the Y-12 Skeet League. The leaders had a mark of 144 to 142 for the second place pair. Case-Hamby are third with 132. Other teams with incomplete standings are Turner-Patton 117, Patterson-Murray 112, Hopkins-Summerfeld 89, White-Brewster 85 and Tunnell-Dunlap 59. The league is scheduled to resume activities next Sunday, March 5, at the Oak Ridge Sportsmen's Association.

Scratch Scores Of 1961 Y-12 Bowling Tourney Generally Below 1960 Marks

Hart's All Events Title Score 95 Pins Less Than Last Year; Competition Smoothly Run

Len Hart, the seven-in-a-row champion bowler in the Y-12 Plant, fell 95 pins below his 1960 score in winning the 1961 scratch all events event in the plant tournament held February 18 and 19 at the Ark Lanes. (It was erroneously reported in The Bulletin last week that Hart's triumph this year was his eighth in succession.)

Hart's total score this year was 1637 as compared to 1782 in the 1960 tournament. In fact, practically all of the 1961 scratch tallies fell below the 1960 totals.

Overton Is Exception

For instance, Walt Sherrod, the 1961 runner-up to Hart in the all events scoring, posted only 1648 to 1666 racked up by J. D. Brown last year. One exception popped up when Tom Overton's 1893 handicap all events score turned out to be higher than the 1960 score of 1864 by R. A. Huber.

Helen Beckner, the 1961 feminine champion, came close to Nell Jago's 1960 score, the new titlist posting 1455 to the 1482 recorded by Mrs. Jago.

In men's team scoring the Sunflowers, of the C League, the 1960 top team, outscored the Has Beens, 1961 champs, by 2683 to 2546. It was the same story in the handicap competition with the Beavers rolling 2993 last year to 2926 for the Beta Fours this year.

Hart's Singles Below Pryson

Hart's 610 series to win the men's singles this year failed by a narrow margin of equalling the 621 posted in 1960 by Joe Pryson. In 1960 Pryson and Hart tied with 258 for the best scratch single game, but the best score this season was a 238 by Herb Oliver.

Hart and Frank Zupan took the 1960 men's doubles title with 1243 as compared to 1161 by Sherrod and Roy Scates this season. In women's doubles this year Shirley Brown and Peggy Hardin were tops with 874, but were behind the 907 by Dot Parker and Mildred Morris in 1960.

Another superior 1960 score was the 514 by Jean Schill, the women's singles title holder as compared to 458 by Helen Beckner this year. The high single game by a feminine bowler last year was 229 by Dot Park while the best tally of the 1961 event was 193 by Irene Carmack.

Most 1960 Handicap Scores High

Miss Beckner and Elbert Scott could only knock over 1045 pins in the 1961 mixed doubles class to fall below the 1113 racked up by Betty Whitehorn and H. D. Whitehead last year.

A comparison of the 1960 handicap scores with the 1961 records also shows that most of the marks of last year were better.

Despite the general superiority of the 1960 scores with the 1961 marks, it was the general opinion of the vast majority of the 1961 entrants that this year's event was one of the smoothest ever

C Shift, Big Five, SPs All Win Three Points In C Tilts

Reviving after a stumbling session of play February 13, the C Shift and Big Five teams in the C League of Y-12 bowlers both came back strong February 20 to win three points each with the Alley Cats and Chillers being the victims. At the same alley activities, the SPs socked the Hookers by the same margin. So when all the pins had stopped falling, C

Shift held a one-point lead over the Big Five and SPs, tied for second place.

In other tilts, the IBMs tripped the Ramblers for four, the Par Busters humbled the Hilifers by three and a two-point deadlock was

rolled by the Sunflowers and Beta Four.

Roy Scates, of the IBMs, blistered the Alleys to take all individual scoring honors. He had a fine 609 scratch series, boosted to 657 with handicap. He had a 234 scratch and 250 handicap game. Scates' big night gave his team the top scratch scores with a 936 game and 2625 series.

League standing follows:

Team	W	L
C Shift	26	14
Big Five	25	15
SPs	25	15
Beta Four	23	17
Hookers	22	18
Alley Cats	21	19
IBMs	21	19
Ramblers	19	21
Hilifers	19	21
Chillers	19	21
Sunflowers	10	30
Par Busters	10	30

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Bumpers Batter Eight Balls, Swell Lead In Classic

The Bumpers regained their old form in the Classic League for Y-12 bowlers last week by taking the Eight Balls for the full count. The only other four point win was registered by the Wasps over the Wolves, while the Markers fell to the Playboys by three and one-half points. Three-point wins were posted by the Rippers over the Cubs and the Rebels over the Tigers. All other action saw teams splitting even with two points each. They were the Swingsters-Screwballs, the Smelters-Sportsmen, and the Has Beens-All Stars.

Individual high scratch game honors resulted in a tie between Jack McLendon, Has Beens; and Dick Huber, All Stars with 233 each. Harry Keen, Playboys, swept handicap honors with a 254 game boosted to a 690 in series play. Len Hart, Bumpers, took scratch series honors with a fine 610.

The Has Beens almost swept team highs with a 957 for scratch game and 2718 and 3045 in series play. Only the Smelters kept them from the full sweep with a 1091 handicap game.

Team	W	L
Bumpers	27	9
Swingsters	23	13
Rippers	22½	13½
Smelters	22	14
Wasps	22	14
Has Beens	21	15
Sportsmen	20	16
Tigers	17	19
Cubs	17	19
All Stars	17	19
Wolves	16	20
Rebels	16	20
Playboys	15	21
Screwballs	12	24
Eight Balls	11	25
Markers	9½	26½

ORNL Man Will Speak At Seminar Meet Friday

Speaker at the seminar session of the Physics Division of the Oak Ridge National Laboratory set for Friday of this week, March 3, will be G. R. Satchler, of ORNL. His topic will be "Distorted Wave Theory of Direct Nuclear Reactions." The meeting will be at 3:15 p.m. in the central auditorium of Bldg. 4500, ORNL, and all Y-12 technical and scien-



Ride wanted from Fountain Road, Fountain City, to Bear Creek Portal, straight day. Ellen Speaks, plant phone 7335, home phone Knoxville 681-4245.

Ride wanted or will join car pool from vicinity Louisiana Ave. and Robertsville Road, Oak Ridge, to North Portal, 8 a.m. to 5 p.m. shift. D. J. Nelson, plant phone 7563, home phone Oak Ridge 483-3257.

Ride wanted from 404 Robertsville Road, Oak Ridge, to Central Portal, straight day. Helen Cunningham, plant phone 7213, home phone Oak Ridge 483-5756.

Want to join car pool from Delaware Ave., vicinity, Oak Ridge, to Bear Creek Portal, straight day. George McGown, plant phone 7-8821, home phone Oak Ridge 843-3836.

Y-12 Riflemen Split With Independents

With the championship of the Carbide Rifle League already sewed up, the Y-12 team split even with the Oak Ridge Independents in the last match of the season fired February 22. The Y-12ers took the scratch decision by 1402 to 1369 but the Independents piled up a 1448.278 to 1443.130 margin in handicap scoring.

Ed Brady again led the Y-12ers in their scratch scoring with a fine 287 out of a possible 300. He was followed by Dave DeWalt 285, Bob Powers 283, W. B. Davis 277, and Fred Fraley. In handicap scoring it was Fraley 290.558, Powers 290.244, DeWalt 289.104, Brady 287.866 and Al Blay 287.-364.

Team	W	L
Y-12	26	9
ORNL	24	11
Independents	20	15
ORGDP	0	35

tific personnel interested in the subject are invited to attend.

6-10244



A PAIR OF SCRAPPING BOWLING TEAMS IN THE CLASSIC LEAGUE are pictured above. At left are the Screwballs with Carl Frazier seated at the scorer's table. Standing, from left, are R. E. Seivers, W. E. Ramsey, W. T. Goodwin and J. A.

Advent Of Spring Important Event Of March Along With Birthdays, Other Anniversaries

The advent of Spring — yes, Spring, with balmy breezes, glowing sunshine and lots of that towards which a young man's fancy turns to—is the outstanding event of the month of March. Rating of the scheduled coming of Spring on March 21 far outranks a lot of other interesting events and anniversaries occurring during the month of March — even the birthdays of four Presidents of the United States and St. Patrick's Day on March 17.

March traditionally brings gusty winds—good for kite flying if not for feminine skirts (unless their le—'scuse please—lower limbs, are shapely).

The four Presidential birthdays are for Andrew (Old Hickory) Jackson, who won a lot of fame



as a Tennessean transplanted from South Carolina; James Madison, Grover Cleveland and John Tyler. Born in South Carolina March 15, 1767, Jackson won fame as a general of the United States Army by repelling the British in the Battle of New Orleans in the War of 1812. He later served in Congress as representative and senator from Tennessee before being appointed territorial governor of Florida. Returning to Tennessee later, he was elected

again to the United States Senate before being elected seventh President of the United States.

After his Presidential term, he came back to Tennessee to build his well-known and beautiful mansion "The Hermitage" near Nashville, that has become a shrine for tourists and historians.

Birthdays of the other three Presidents born this month are March 16, 1751, for James Madison, who became the fourth President; March 18, 1837, for Grover Cleveland, the 22nd and 24th President; and March 29, 1790, for James Tyler, the 10th President.

Here are a few of the other interesting anniversaries slated for March.

March 1, 1781—The Articles of Confederation of the United States were ratified.

March 3, 1842—Alexander Graham Bell, inventor of the telephone, was born. On March 7, 1876, he obtained a patent for the instrument that made him famous.

March 4, 1861—Abraham Lincoln took office as the 16th President.

March 6, 1896—Charles Brady King drove through Detroit in his "horseless carriage," the first automobile to appear in that city that became the "Motor Capital of America."

March 12, 1912—Capt. Albert Berry made the first parachute jump from an airplane at Jefferson Barracks, Mo., near St. Louis.

March 23, 1775—Patrick Henry delivered his famous "Give me liberty or give me death" speech in Virginia.

March 29, 1852—Ohio passed a labor law governing the working hours of women.



Get well wishes are speeded the following Y-12 employees who were patients last week in the Oak Ridge Hospital:

L. A. Turpin, Process Maintenance; M. L. Elliott and C. J. Maddux, Area Five Maintenance; C. J. Tapscott, Production Inspection; George S. Pollitt, S. H. Kesterson, Guard; F. L. Rigney, Mechanical Maintenance; Shirley Brown, Material Control; Kenneth H. Sipe, Beta Four Assembly and Forming; R. H. Bradshaw, General Machine Shop; James T. Schultz, Electrical Engineering; Blanch Gibbs, Medical; W. M. Simpson, Z Area; J. H. Oldham, Tool Grinding.

ASTME Will Meet Tuesday To Install Officers For 1961

The Oak Ridge chapter of the American Society of Tool and Manufacturing Engineers will meet next Tuesday night, March 7, at the Holiday Inn. The dinner meeting is scheduled to get underway at 7 o'clock with a business meeting to follow.

New officers will be installed at the meeting. The new chairman of the group is James Slagle, of the Tool Crib Co., Knoxville, who succeeds H. E. Alvey, of the Y-12 Beta Four Heavy Machine Shop. Other Y-12ers to be installed as new officers are W. S. Nelms, Machine Maintenance, as first vice chairman; and R. D. Ellingson, Beta Four Assembly and Forming, as second vice chairman. David Grigg, Production Inspection, has been re-elected to serve as secretary and Roman Kristich, Alloy Shop, as treasurer of the ASTME.

Guest speaker will be Mr. Hutton, Eastman Kodak, Kingsport, whose address is entitled "Barnstorming and Creative Thinking."

Set Ups Win Title In Volleyball Loop

The Oak Ridge National Laboratory Set Ups team took a three-point forfeit from the Y-12 C Shift Cats and slipped into the championship of the Carbide Volleyball League last week with a final record of 26 points won and only one lost during the season.

The Oak Ridge Gaseous Diffusion Plant A Shift team clinched second place by trimming the ORNL Spikers for three points by scores of 15-4, 15-7 and 15-2, the Spikers finishing third. The Y-12 Eagles were fourth and Y-12 Hunters fifth in the final standings.

Checker Tourney Opens On Friday

Any Y-12 checker players wanting to enter the state tournament scheduled for this week end at the Alexander Hotel, Oak Ridge, are invited to report at the hotel in time to register before play is set to start at 8 o'clock Friday night of this week, March 3. First round play is to be finished by Sunday night and survivors are to return to Oak Ridge next Friday, March 10, to resume championship play.

Y-12ers wanting further information on the tournament may obtain it from J. A. Moon, Sunflower Shop, one of the arrangers of the meet. He can be reached at Oak Ridge phone 483-3133.

Mixed Loop Resume Action On Alleys

Following a week's layoff because of the George Washington Birthday holiday February 22, the Mixed League of Y-12 men and women bowlers will resume ac-

tion tonight at the Ark Bowling Lanes. The Toppers and Scrapers are waging a red hot battle for first place in the circuit, with the Toppers holding a slim two-and-one-half point lead in the second half of the season race.



Myers. Capt. H. O. Runge was absent when picture was made. The Cubs are at right with Capt. Leo Hemphill seated. Standing are Al Bittner, George Mitchel, Clyde Bowles and J. C. Thompson, Jr.

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